

What is claimed is:

1. A composition comprising a therapeutic antibody, wherein the antibody is specific for binding to an epitope of curli and further wherein the epitope of curli comprises a sequence having homology to an antibody binding site of one or more heterologous amyloid proteins.
2. The composition of claim 1, wherein the antibody inhibits fibrillization of one or more heterologous amyloid proteins.
3. The composition of claim 1, wherein the antibody prevents biofilm formation or alters biofilm architecture.
4. The composition of claim 1, wherein the antibody is effective in reducing biofilm mass.
5. The composition of claim 3, wherein the biofilm mass is associated with a bacteria selected from the group consisting of gram-positive, gram-negative, and a combination thereof.
6. The composition of claim 1, wherein the antibody inhibits amyloid- β fibrillization and prevents biofilm formation or alters biofilm architecture.
7. The composition of claim 1, wherein the antibody is a monoclonal antibody selected from the group consisting of: a) ALZ.3H3, comprising at least one of a heavy chain amino acid sequence as set forth in SEQ ID NO:2 and a light chain amino acid sequence as set forth in SEQ ID NO:35; b) ALZ.4G1, comprising at least one of a heavy chain amino acid sequence as set forth in SEQ ID NO:61 and a light chain amino acid sequence as set forth in SEQ ID NO:63; and c) ALZ.4A6, comprising at least one of a heavy chain amino acid sequence as set forth in SEQ ID NO:57 and a light chain amino acid sequence as set forth in SEQ ID NO:59.

8. The composition of any one of claims 1 to 7, wherein the composition is for application to a surface of a medical device.